

HEAD - MATHS/GEN

to be completed a five year period of  
Schedule XLV From No. 134.

NAME OF AE - SHAILENDRA KUMAR DIVISION  
NIRAM

SUB-DIVISION

NAME OF AGENCY - M/S TIRUPATI BAKERY

## Measurement Book

MOHS - 366

## Sch. XLV-Form No. 134

| Particulars                      | Details of actual measurement |    |    |    | Contents of area |
|----------------------------------|-------------------------------|----|----|----|------------------|
|                                  | No.                           | L. | B. | D. |                  |
| 15th Nov 1970                    |                               |    |    |    |                  |
| Name of Work                     | Const. of road                |    |    |    |                  |
| Maintenance of Road              | Road from                     |    |    |    |                  |
| Nizhampet Road to Baray          |                               |    |    |    |                  |
| Tala in Back of Baray            |                               |    |    |    |                  |
| Masonry (G.I.N)                  |                               |    |    |    |                  |
| Name of contractor               | M/s. J. J. J.                 |    |    |    |                  |
| Balagor N. N. Appo               | P. N. N.                      |    |    |    |                  |
| Agrow N. N. 11.11.70             | 11.11.70                      |    |    |    |                  |
| Date of commencing               | 11.11.70                      |    |    |    |                  |
| Date of completion               | 10.11.70                      |    |    |    |                  |
| 1/11 Const. of granular sub base |                               |    |    |    |                  |

|                 |           |        |          |
|-----------------|-----------|--------|----------|
| by              | Providing | Well   |          |
| graded          | mat       | and    | by       |
| Gravel          | D. 2      | for    | 1000 sqm |
| 1 x 15m x 3.75m | 1.50m     | 8.44m  |          |
| 1 x 15m x 3.75m | 1.50m     | 33.75m |          |
| 1 x 15m x 3.75m | 1.50m     | 8.60m  |          |
| 1 x 15m x 3.75m | 1.50m     | 8.32m  |          |
| 1 x 15m x 3.75m | 1.50m     | 7.65m  |          |
| 1 x 15m x 3.75m | 1.50m     | 7.31m  |          |
| 1 x 15m x 3.75m | 1.50m     | 8.55m  |          |
| 1 x 15m x 3.75m | 1.50m     | 8.60m  |          |
| 1 x 15m x 3.75m | 1.50m     | 3.71m  |          |
| 1 x 15m x 3.75m | 1.50m     | 8.43m  |          |
| 1 x 15m x 3.75m | 1.50m     | 6.00m  |          |
| 1 x 15m x 3.75m | 1.50m     | 9.11m  |          |

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Sch. XLV-Form No. 134

| Particulars             | Details of actual measurement |      |      |      | Contents of area                            |
|-------------------------|-------------------------------|------|------|------|---------------------------------------------|
|                         | No.                           | L.   | B.   | D.   |                                             |
|                         | 1x15m                         | 4.20 | 3.75 |      | $\frac{4.20+3.75}{2} \times 15 = 8.94m^2$   |
|                         | 1x15m                         | 4.75 | 3.75 |      | $\frac{4.75+3.75}{2} \times 15 = 10.68m^2$  |
|                         | L-245m                        | 1x5m | 3.75 | 1.50 | $\frac{4.75+3.75}{2} \times 1.50 = 9.81m^2$ |
| 2/5 Pro/lay/spreading   |                               |      |      |      | 14.06m <sup>2</sup>                         |
| 2 compacting stone      |                               |      |      |      | 143.44m <sup>2</sup>                        |
| agg 30mm do - do        |                               |      |      |      |                                             |
| 1x6.0m x 3.75m x 0.075m |                               |      |      |      | 1.69m <sup>3</sup>                          |
| 3/6 Pro/lay/spreading   |                               |      |      |      |                                             |
| 2 compacting stone      |                               |      |      |      |                                             |
| agg 30mm do - do        |                               |      |      |      |                                             |

|                         |  |      |      |  |                                              |
|-------------------------|--|------|------|--|----------------------------------------------|
| 1x6.0m x 3.75m x 0.075m |  |      |      |  | 1.69m <sup>3</sup>                           |
| 4/11 Pro/applyg Primer  |  |      |      |  |                                              |
| coat with bitumen       |  |      |      |  |                                              |
| emulsion SS. do - do    |  |      |      |  |                                              |
| 1x7.0m                  |  | 6.50 | 3.75 |  | $\frac{6.50+3.75}{2} \times 7 = 35.87m^2$    |
| 9x30m                   |  | 3.75 | 3.75 |  | $\frac{3.75+3.75}{2} \times 30 = 1012.50m^2$ |
| 1x30m                   |  | 3.75 | 3.50 |  | $\frac{3.75+3.50}{2} \times 30 = 108.75m^2$  |
| 1x30m                   |  | 3.50 | 3.40 |  | $\frac{3.50+3.40}{2} \times 30 = 103.50m^2$  |
| 1x30m                   |  | 3.40 | 3.40 |  | $\frac{3.40+3.40}{2} \times 30 = 102.00m^2$  |
| 1x30m                   |  | 3.40 | 3.40 |  | $\frac{3.40+3.40}{2} \times 30 = 102.00m^2$  |
| 1x30m                   |  | 3.40 | 3.50 |  | $\frac{3.40+3.50}{2} \times 30 = 103.50m^2$  |
| 1x30m                   |  | 3.50 | 3.75 |  | $\frac{3.50+3.75}{2} \times 30 = 108.75m^2$  |
| 5x30m                   |  | 3.75 | 3.75 |  | $\frac{3.75+3.75}{2} \times 30 = 562.50m^2$  |

## Sch. XLV-Form No. 134

| Particulars            | Details of actual measurement |      |      |       | Contents of area     |
|------------------------|-------------------------------|------|------|-------|----------------------|
|                        | No.                           | L.   | B.   | D.    |                      |
|                        | 1x15m                         | 4.20 | 3.75 | x.150 | 8.91m <sup>2</sup>   |
|                        | 1x15m                         | 4.75 | 3.75 | x.150 | 16.68m <sup>2</sup>  |
|                        | L-5.46m                       | 6.50 | 3.75 | x.150 | 14.14m <sup>2</sup>  |
|                        |                               |      |      |       | 9.81m <sup>2</sup>   |
| 5/5 Pro/lay/cb/corr    |                               |      |      |       | 141.46m <sup>2</sup> |
|                        |                               |      |      |       | 143.44m <sup>2</sup> |
| 3 compacting stone     |                               |      |      |       |                      |
| egg gravel do do       |                               |      |      |       |                      |
| 1x6.0m x 3.75m x 0.075 |                               |      |      |       | 1.69m <sup>2</sup>   |
|                        |                               |      |      |       |                      |
| 3/6 Pro/lay/spreading  |                               |      |      |       |                      |
| 3 compacting stone egg |                               |      |      |       |                      |
| egg gravel do do       |                               |      |      |       |                      |

|                        |                        |      |      |  |                       |
|------------------------|------------------------|------|------|--|-----------------------|
|                        | 1x6.0m x 3.75m x 0.075 |      |      |  | 1.69m <sup>2</sup>    |
| 4/11 Pro/applyg Primer |                        |      |      |  |                       |
| coat with bitumen      |                        |      |      |  |                       |
| emulsion ss. do do     |                        |      |      |  |                       |
|                        | 1x7.0m                 | 6.50 | 3.75 |  | 35.87m <sup>2</sup>   |
|                        | 9 x 30m                | 3.75 | 3.75 |  | 1012.50m <sup>2</sup> |
|                        | 1x 30.0m               | 3.75 | 3.50 |  | 108.75m <sup>2</sup>  |
|                        | 1x 30m                 | 3.50 | 3.40 |  | 103.50m <sup>2</sup>  |
|                        | 1x 30m                 | 3.40 | 3.40 |  | 102.00m <sup>2</sup>  |
|                        | 1x 30m                 | 3.40 | 3.40 |  | 102.00m <sup>2</sup>  |
|                        | 1x 30m                 | 3.40 | 3.50 |  | 103.50m <sup>2</sup>  |
|                        | 1x 30m                 | 3.50 | 3.75 |  | 108.75m <sup>2</sup>  |
|                        | 5 x 30m x 3.75m        |      |      |  | 562.50m <sup>2</sup>  |

| Particulars | Details of actual measurements |      |    |       | Contents of area        |
|-------------|--------------------------------|------|----|-------|-------------------------|
|             | No.                            | L.   | B. | D.    |                         |
|             | 1x                             | 7.0m | x  | 3.75m | = 26.25m <sup>2</sup>   |
|             | 15x                            | 30m  | x  | 3.75m | = 1687.50m <sup>2</sup> |
|             | 1x                             | 15m  | x  | 3.75m | = 56.25m <sup>2</sup>   |
|             | 1x                             | 6.0m | x  | 3.75m | = 22.50m <sup>2</sup>   |
|             | 10                             | 30m  |    |       | 4031.87m <sup>2</sup>   |

5/12 Paving surface working

as per drawing combined

13.2m 8.0m x 2m = 211.20m<sup>2</sup>

$$1x 7.0m \times \frac{6.50 + 3.75}{2} = 35.87m^2$$

$$1x 9 \times 30m \times 3.75m = 1012.50m^2$$

$$1x 30m \times \frac{3.75 + 3.50}{2} = 108.75m^2$$

$$1x 30m \times \frac{3.50 + 2.40}{2} = 152.50m^2$$

$$1x 30m \times \frac{3.40 + 3.40}{2} = 102.00m^2$$

$$1x 30m \times \frac{2.40 + 2.40}{2} = 102.00m^2$$

$$1x 30m \times \frac{2.40 + 2.50}{2} = 103.50m^2$$

$$1x 30m \times \frac{2.50 + 2.70}{2} = 108.75m^2$$

$$5 \times 30m \times 3.75m = 562.50m^2$$

$$1x 7.0m \times 3.75m = 26.25m^2$$

$$15 \times 30m \times 3.75m = 1687.50m^2$$

$$1x 15m \times 3.75m = 56.25m^2$$

$$1x 6.0m \times 3.75m = 22.50m^2$$

$$4031.87m^2$$

5/8 Paving surface working

with 2.51 do - 2

Area under 10m x 10m = 100m<sup>2</sup>

$$4031.87m^2$$

Continuation

[illegible]

| Particulars                                | Details of actual measurement |    |    |    | Contents of area |
|--------------------------------------------|-------------------------------|----|----|----|------------------|
|                                            | No.                           | L. | B. | D. |                  |
| 7/10 Pro & laying seal                     |                               |    |    |    |                  |
| seal - scaling wall                        |                               |    |    |    |                  |
| Type - B do do                             |                               |    |    |    |                  |
| Area vide drawing 6/13 P-39                |                               |    |    |    |                  |
| 4031.87 m <sup>2</sup>                     |                               |    |    |    |                  |
| 8/12 Const of plain cement                 |                               |    |    |    |                  |
| concrete with parnet                       |                               |    |    |    |                  |
| with aggregate &                           |                               |    |    |    |                  |
| course sand do-do                          |                               |    |    |    |                  |
| 1x15m x 3.75 x .190 = 10.69 m <sup>3</sup> |                               |    |    |    |                  |

|                                                                  |  |
|------------------------------------------------------------------|--|
| 4x15m x 3.75 x .190 = 12.75 m <sup>3</sup>                       |  |
| 1x15m x $\frac{3.75+3.90}{2}$ x .190 = 10.90                     |  |
| 1x15m x $\frac{3.90+3.50}{2}$ x .190 = 10.54                     |  |
| 1x15m x $\frac{3.50+3.35}{2}$ x .190 = 3.69 m <sup>3</sup>       |  |
| 1x15m x $\frac{3.30+3.20}{2}$ x .190 = 3.26 m <sup>3</sup>       |  |
| 1x15m x $\frac{3.20+4.30+3.90}{2}$ x .190 = 10.83 m <sup>3</sup> |  |
| 1x15m x $\frac{3.90+3.75}{2}$ x .190 = 10.90 m <sup>3</sup>      |  |
| 1x6.0m x $\frac{3.75+4.50}{2}$ x .190 = 4.70 m <sup>3</sup>      |  |
| 1x15.0m x 3.75 x .190 = 10.69 m <sup>3</sup>                     |  |
| 1x15.0 x $\frac{3.75+3.90}{2}$ x .190 = 10.90 m <sup>3</sup>     |  |
| 1x15.0 x $\frac{3.90+4.20}{2}$ x .190 = 11.54 m <sup>3</sup>     |  |
| 1x15m x $\frac{4.20+3.75}{2}$ x .190 = 11.33 m <sup>3</sup>      |  |
| 1x15m x 4.70 x .190 = 10.69 m <sup>3</sup>                       |  |

| Form No. 134                                                                                    |                               |    |    |    |                  |
|-------------------------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
| Particulars                                                                                     | Details of actual measurement |    |    |    | Contents of area |
|                                                                                                 | No.                           | L. | B. | D. |                  |
| 9/11/6 Reinforced cement<br>concrete 15 gauge<br>kilometer stone<br>14 1 = 2 No<br>Line - 01 No |                               |    |    |    |                  |
| 10/14/57 200 x 200 mm<br>stone pillar<br>5 No                                                   |                               |    |    |    |                  |
| 11/15/61 from 10/2 digging<br>if semi rectangular<br>Sign Board dtd<br>(21) 600 mm rectangular  |                               |    |    |    |                  |
| 2 Triangle<br>2 No                                                                              |                               |    |    |    |                  |
| (22) 600 mm circular<br>2 No                                                                    |                               |    |    |    |                  |
| (23) 800 x 600 mm<br>rectangular<br>2 No                                                        |                               |    |    |    |                  |
| (24) 600 mm x 450 mm<br>rectangular<br>2 No                                                     |                               |    |    |    |                  |
|                                                                                                 |                               |    |    |    |                  |
|                                                                                                 |                               |    |    |    |                  |
|                                                                                                 |                               |    |    |    |                  |
|                                                                                                 |                               |    |    |    |                  |

| Particulars              | Details of actual measurement |    |    |    | Contents of area  |
|--------------------------|-------------------------------|----|----|----|-------------------|
|                          | No.                           | L. | B. | D. |                   |
| 12/17 Pro/laying of soil |                               |    |    |    |                   |
| applied                  |                               |    |    |    |                   |
| 2x 20x 30m x 0.100       |                               |    |    |    | 120m <sup>2</sup> |
| 2x 1x 15m x 0.100        |                               |    |    |    | 3m <sup>2</sup>   |
| 2x 15x 30m x 0.100       |                               |    |    |    | 90m <sup>2</sup>  |
| 2x 1x 20m x 0.100        |                               |    |    |    | 4m <sup>2</sup>   |
|                          |                               |    |    |    | 217m <sup>2</sup> |

|                                |    |     |    |  |       |
|--------------------------------|----|-----|----|--|-------|
| 13/16 Providing & laying R.C.C |    |     |    |  |       |
| HP 3 300mm dia for             |    |     |    |  |       |
| curbs                          | 5x | 2x2 | 5m |  | 25.0m |

|                           |  |  |  |  |  |
|---------------------------|--|--|--|--|--|
| 14/3 cost of embankment   |  |  |  |  |  |
| with natural obstructions |  |  |  |  |  |

| borrow pit do do |       |       |           |       |        |
|------------------|-------|-------|-----------|-------|--------|
| Stn              | chain | area  | mean area | dist  | volume |
| 01               | 0     | 3.141 |           |       |        |
| 02               | 50    | 2.94  | 3.04      | 50.00 | 151.90 |
| 03               | 100   | 2.78  | 2.86      | 50.00 | 142.82 |
| 04               | 150   | 3.928 | 3.35      | 50.00 | 167.65 |
| 05               | 200   | 5.778 | 4.85      | 50.00 | 242.58 |
| 06               | 250   | 5.48  | 5.63      | 50.00 | 281.38 |
| 07               | 300   | 6.869 | 6.17      | 50.00 | 308.72 |
| 08               | 350   | 6.87  | 6.87      | 50.00 | 343.48 |
| 09               | 400   | 4.365 | 5.62      | 50.00 | 280.88 |
| 10               | 450   | 4.17  | 4.27      | 50.00 | 213.32 |
| 11               | 500   | 4.432 | 4.30      | 50.00 | 215.04 |
| 12               | 550   | 4.56  | 4.50      | 50.00 | 224.80 |

| Particulars                                                                     | Details of actual measurement |    |    |    | Contents of area |
|---------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                                 | No.                           | L. | B. | D. |                  |
| Abstract of cost<br>4th on A/c 15.11                                            |                               |    |    |    |                  |
| 1/1 Pro/fixing of working<br>bench mark                                         |                               |    |    |    |                  |
| 1.432 km cum No - 511 P-27                                                      |                               |    |    |    |                  |
| @ 15232.50/km                                                                   |                               |    |    | 21 | 813=00           |
| 2/2 clearing & grubbing<br>Road land do-do                                      |                               |    |    |    |                  |
| 0.5012 Hie cum No - 6/2 P-27                                                    |                               |    |    |    |                  |
| @ 36182.79/Hie                                                                  |                               |    |    | 18 | 135=00           |
| 3/4 const of granular sub                                                       |                               |    |    |    |                  |
| base by providing<br>well graded material<br>Grading - 2 do-do                  |                               |    |    |    |                  |
| 758.96 m <sup>3</sup> cum No - 1/4 P-32                                         |                               |    |    |    |                  |
| @ 1902.03/m <sup>3</sup>                                                        |                               |    |    | 14 | 42233=00         |
| 4/5 Pro/lay/strengthening &<br>compacting stone aggregate<br>to W.B.M G-2 do-do |                               |    |    |    |                  |
| 300.70 m <sup>3</sup> cum No 9/5 P-32                                           |                               |    |    |    |                  |
| @ 830.33/m <sup>3</sup>                                                         |                               |    |    | 5  | 6091=00          |
| @ 3172.01/m <sup>3</sup>                                                        |                               |    |    | 5  | 54725=00         |
|                                                                                 |                               |    |    |    | 2436306=00       |
|                                                                                 |                               |    |    |    | 24,42,272=00     |

| Particulars                               | Details of actual measurement |    |    |    | Contents of area |
|-------------------------------------------|-------------------------------|----|----|----|------------------|
|                                           | No.                           | L. | B. | D. |                  |
| 5/6 Pro/laying spreading                  |                               |    |    |    |                  |
| 2 compacting stone                        |                               |    |    |    |                  |
| egg spread to WBM 6.3                     |                               |    |    |    |                  |
| 300.70 m <sup>2</sup> cum No - 3/6 P-32   |                               |    |    |    |                  |
| 1.65 m <sup>2</sup> do do                 |                               |    |    |    |                  |
| @ 3122.10/m <sup>2</sup>                  |                               |    |    | 1  | 938,815=00       |
| 302.33 m <sup>2</sup>                     |                               |    |    |    |                  |
| @ 3122.10/m <sup>2</sup>                  |                               |    |    | 1  | 944,092=00       |
| 6/7 Pro/laying Primer                     |                               |    |    |    |                  |
| coat with Bitume Emulsa                   |                               |    |    |    |                  |
| SS 1/ do - do                             |                               |    |    |    |                  |
| 4031.87 m <sup>2</sup> cum No - 4/11 P-38 |                               |    |    |    |                  |
| @ 40.48/m <sup>2</sup>                    |                               |    |    | 1  | 163,210=00       |
| 7/8 Pro/laying, laying 9 mm               |                               |    |    |    |                  |
| coat with P.S.I                           |                               |    |    |    |                  |
| rolling of open graded                    |                               |    |    |    |                  |
| Primer coat 9 mm                          |                               |    |    |    |                  |
| thickness                                 |                               |    |    |    |                  |
| 4031.87 m <sup>2</sup> cum No - 5/18 P-38 |                               |    |    |    |                  |
| @ 14.37/m <sup>2</sup>                    |                               |    |    | 1  | 57,938=00        |
| 8/9 Pro/laying 27 mm coat                 |                               |    |    |    |                  |
| with rolling of open                      |                               |    |    |    |                  |
| graded Primer coat 27 mm                  |                               |    |    |    |                  |
| thickness do - do                         |                               |    |    |    |                  |
| 4031.87 m <sup>2</sup> cum No - 6/13 P-39 |                               |    |    |    |                  |
| @ 184.72/m <sup>2</sup>                   |                               |    |    | 1  | 7,44,767=00      |
|                                           |                               |    |    |    | 4346,913=00      |

Scanned with CamScanner

| Particulars                 | Details of actual measurement |    |    |              | Contents of area |
|-----------------------------|-------------------------------|----|----|--------------|------------------|
|                             | No.                           | L. | B. | D.           |                  |
| 13/14 (21) Room             |                               |    |    |              |                  |
| Paint as P. 200             |                               |    |    |              |                  |
| S No 14/14 (21) P-41        |                               |    |    |              |                  |
| @ Rs 557.87 each            |                               |    |    | 2,789=00     |                  |
| 14/15 (21) Provide & fixing |                               |    |    |              |                  |
| if Traffic Sign             |                               |    |    |              |                  |
| 600mm equilateral Tri       |                               |    |    |              |                  |
| 2 No 11/15 (21) P-41        |                               |    |    |              |                  |
| @ 1437.67 each              |                               |    |    | 2,875=00     |                  |
| 15/15 (21) 600mm Circles    |                               |    |    |              |                  |
| 2 No 11/15 (21) P-41        |                               |    |    |              |                  |
| @ 1500.12 each              |                               |    |    | 3,000=00     |                  |
| 16/15 (21) 800 x 600 mm     |                               |    |    |              |                  |
| Traffic Sign                |                               |    |    |              |                  |
| 2 No 11/15 (21) P-41        |                               |    |    |              |                  |
| @ 1596.93 each              |                               |    |    | 3,194=00     |                  |
| 17/15 (21) 600mm x 450mm    |                               |    |    |              |                  |
| Rectangular Sign            |                               |    |    |              |                  |
| 2 No 11/15 (21) P-41        |                               |    |    |              |                  |
| @ 1493.73 each              |                               |    |    | 2,987=00     |                  |
|                             |                               |    |    |              |                  |
|                             |                               |    |    | 5940,941=00  |                  |
|                             |                               |    |    | 59,32,673=00 |                  |

| Particulars                             | Details of actual measurement |   |   |   | Contents of area |
|-----------------------------------------|-------------------------------|---|---|---|------------------|
|                                         | No                            | L | B | D |                  |
| 18/17 Pro Laying of 1st                 |                               |   |   |   |                  |
| Applied the compound                    |                               |   |   |   |                  |
| Compound with sub structure             |                               |   |   |   |                  |
| along beads do do                       |                               |   |   |   |                  |
| 217 m <sup>2</sup> (anno-12/15 P-42)    |                               |   |   |   |                  |
| @ 828.11/m <sup>2</sup> -               |                               |   |   |   | 173700 = 00      |
| 19/18 Pro Laying of typical             |                               |   |   |   |                  |
| informatory sign board                  |                               |   |   |   |                  |
| with logo do - do                       |                               |   |   |   |                  |
| 01 No vide anno-3/12 P-32               |                               |   |   |   |                  |
| @ 8487.95/m <sup>2</sup> -              |                               |   |   |   | 8487 = 00        |
| 20/19 Earth work in excavation          |                               |   |   |   |                  |
| for foundation of structure             |                               |   |   |   |                  |
| 78.30 m <sup>2</sup> (anno-3/14 P-34)   |                               |   |   |   |                  |
| @ 207.04/m <sup>2</sup> -               |                               |   |   |   | 16,211 = 00      |
| 21/20 P/V mix peccal level              |                               |   |   |   |                  |
| cover do - do                           |                               |   |   |   |                  |
| 10.57 m <sup>2</sup> (anno-10/20 P-34)  |                               |   |   |   |                  |
| @ 4713.76/m <sup>2</sup> -              |                               |   |   |   | 48472 = 00       |
| 22/21 Brick masonry work                |                               |   |   |   |                  |
| in cm (1:4) in 200 wall                 |                               |   |   |   |                  |
| 69.544 m <sup>2</sup> (anno-11/21 P-34) |                               |   |   |   |                  |
| @ 5577.63/m <sup>2</sup> -              |                               |   |   |   | 386,217 = 00     |

